

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing of claims in the application:

Listing of the Claims:

1-24. (Cancelled)

25. (Currently Amended) ~~The apparatus of claim 24,~~ An apparatus for logically segmenting a list of elements in a graphical user interface, comprising:

means for selecting a first set from the list of elements;

means for defining the first set as a first group of contiguous elements with a first associated boundary having a first upper limit and a first lower limit;

means for modifying the first group in response to moving a selected entity across said first associated boundary, wherein the selected entity is an element, a second set, a second group, a plurality of groups, and combinations thereof within the list of elements;

means for modifying the first associated boundary based upon the modified first group, wherein moving the selected entity across said first associated boundary occurs when any element of the selected entity is moved across the first upper limit or the first lower limit in a direction from outside the first group to within the first group, and wherein moving the selected entity across said first associated boundary occurs when any element of the selected entity is moved across the first upper limit or the first lower limit in a direction from within the first group to outside of the first group;

means for adding all elements of the selected entity which are not already part of the first group to the first group;

means for expanding said first associated boundary to include all elements of the selected entity which were not already part of the first group;

means for undefining the second group and plurality of groups entirely contained within the selected entity by removal of their associated boundaries;

means for subtracting a selected subset from any of the second group and the plurality of groups, included in the selected entity, from its corresponding group;

means for contracting each group's associated boundary to include only those objects remaining in that group;

means for subtracting all elements of the selected entity from the first group;

means for contracting said first associated boundary to include only those elements remaining in the first group;

means for moving the first group, including the first associated boundary, as a whole when the selected entity contains all elements of the first group, wherein only contiguous elements can be selected, and wherein moving the selected entity within the list of elements occurs with one-element shift increments, only when the entity is not crossing any group's associated boundary.

26. (Original) The apparatus of claim 25, wherein an adjacent element is displaced in favor of the selected entity to a position on the opposite side of the selected entity when the selected entity is moved toward said adjacent element.

27. (Original) The apparatus of claim 26, further comprising:

means for indicating movement of the entity across any group's associated boundary by an expansion or contraction of the boundary and not actually moving the entity.

28. (Original) The apparatus of claim 27, further comprising:

means for undefining the first group by removing the first associated boundary when only one element remains in the first group.

29. (Original) The apparatus of claim 28, further comprising:

means for moving the first group, including the first associated boundary, as a whole when the selected entity contains all elements of the first group.

30. (Original) The apparatus of claim 29, wherein a bracket is used to represent each group's associated boundary.

31. (Original) The apparatus of claim 30, wherein an icon is used to denote each group.

32. (Original) The apparatus of claim 31, wherein selecting said icon also selects the icon's corresponding group.

33. (Original) The apparatus of claim 32, further comprising:

means for selecting the second set from the list of elements, distinct from the first set;
means for defining the second set as the second group with a second associated boundary having a second upper limit and a second lower limit; and
means for redefining the first group when any elements of the second set are common to the first group.

34. (Original) The apparatus of claim 33, wherein only contiguous elements can be selected.

35. (Original) The apparatus of claim 34, wherein means for redefining the first group further comprises:

means for removing the first associated boundary;
means for bisecting the first group only when the second set was not adjacent to either the first upper limit or the first lower limit; and
means for defining each of the two sets of remaining contiguous elements resulting from bisection of the first group, above and below the second group, as new groups with associated boundaries.

36. (Original) The apparatus of claim 35, wherein means for redefining the first group further comprises:

means for truncating the first group by removal of a subset of elements of the second set which were common to the first group and which are adjacent to either the first upper limit or the first lower limit; and

means for realigning whichever of the first upper limit or the first lower limit that the subset was adjacent to, so that the first associated boundary encompasses only those elements remaining in the first group.

37. (Original) The apparatus of claim 36, wherein means for redefining the first group comprises:

means for undefining the first group by removing the first associated boundary when the second set contains all elements of the first group.

38. (Original) The apparatus of claim 37 further comprising redefining any of the plurality of groups, which also have elements common to the second set, in the same manner as the first group.

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39-53. (Cancelled)